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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/686,714	10/10/2000	Jere F. Irwin	IR3 -012	4661
21567	7590 03/31/2003			
WELLS ST. JOHN ROBERTS GREGORY & MATKIN P.S. 601 W. FIRST AVENUE SUITE 1300 SPOKANE, WA 9920!-3828			EXAMINER	
			CHOI, STEPHEN	
			ART UNIT	PAPER NUMBER
			3724	
			DATE MAILED: 03/31/2003	3

Please find below and/or attached an Office communication concerning this application or proceeding.

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1) Responsive to communication(s) filed on 31 December 2002. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 29-31 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 13 August 2001 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some ^ by		Application No.	Applicant(s)				
Stephen Choi 3724 - The MALLING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION. A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION. If the period for reply specified shows is last than thirty (30) days, a reply within the standary mile with a 10 MONTH's from the malling date of this communication. If the period for reply specified shows is last than thirty (30) days, a reply within the standary mile with a 10 MONTH's from the malling date of this communication. If the period for reply specified shows is lest than the making date of the standary parties via along a review shows the MONTH's from the malling date of this communication. If the period for reply specified shows is lest than the making date of this communication, which is the period of the communication. If the period for reply specified and the period of the communication and the standary reply within the standary mile with the period of the standary reply within the standary reply the standary reply the standary reply to standary reply reply reply reply the consideration. Status Status Status Status Status Application is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parts Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 29-31 is/are pending in the application. 4) Claim(s) 29-31 is/are rejected. 7) Claim(s) 3 is/are allowed. 5) Claim(s) 3 is/are allowed. 6) Claim(s) 3 is/are allowed. 6) Claim(s) 3 is/are allowed. 7) Claim(s) 3 is/are allowed. 8) The proposed drawing corrected to the provision of the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on 51 standary objection of the draw	Office Action Commons	09/686,714	IRWIN, JERE F.				
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - after SIX (9) MONTHS from the mailing date of this communication. - if the period for epply specified above, the mailing date of this communication. - if the period for epply specified above, the mailing date of this communication. - if NO period for epply specified above, the mailing date of this communication. - if NO period for epply specified above, the mailing date of this communication. - if NO period for epply specified above, the mailing date of this communication, even if thingly filled, may reduce during the control of the communication. - Any reply received by the Office with this there menting date of this communication, even if thingly filled, may reduce any examined patent term adjustment. See 37 CFR 1.704(b). - Any reply received by the Office that the three menting date of this communication, even if thingly filled, may reduce any examined patent term adjustment. See 37 CFR 1.704(b). - Any reply received by the Office that the three handles after the mailing date of this communication, even if this color is FINAL. - 2b) □ This action is FINAL. - 2b) □ This action is FINAL. - 2b) □ This action is reply a search and the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims - 4) □ Claim(s) □ is/are pending in the application. - 4a) Of the above claim(s) □ is/are ellowed. - 5 □ Claim(s) □ is/are allowed. - 6 □ Claim(s) □ is/are objected to. - 8 □ Claim(s) □ is/are objected to. - 9 □ Claim(s) □ is/are objected to. - 9 □ The drawing(s) filled on 13 August 2001 is/are: a) □ accepted or b) □ objected to by the Examiner. - Application Papers - 9 □ The drawing(s) filled on 13 August 2001 is/are: a) □ accepted or b) □ objected to by the Examiner. - 10 □ The drawing(s) filled on 13 August 2001 is/are: a) □ accepted or b) □ disapproved by the Examiner. - 17 □ The proposed drawing correction filled on □ is: a) □ approved b) □ disapproved by		4 ·	<u> </u>				
THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be withbut under the provision of 3° CFR 1.35(6). In or event, however, may a neply be timely flied after SIX (6) MCNTISS from the mailing date of this communication. Failure SIX (6) MCNTISS from the mailing date of this communication. Failure SIX (6) MCNTISS from the mailing date of this communication. Failure to reply within the set of extended period for reply with, by statutory priod with growpy and well exist (8) (8) MCNTIST from the mailing date of this communication. Failure to reply within the set of extended period for reply with, by statute, cause the application to become ARANDONED (35 U.S. C.§ 133). Any reply received by the Office after than thin their normal after the mailing date of this communication, even if timely flied, may reduce any Any reply received by the Office after than the their normal after the mailing date of this communication, even if timely flied, may reduce any Status 1) Responsive to communication(s) filled on 31 December 2002 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 c.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 29-31 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 7) Claim(s) is/are allowed. 8) The specification is objected to by the Examiner. 10) The drawing(s) flied on 13 August 2001 is/are: all accepted or b) objected to by the Examiner. Application Papers Application Papers The drawing(s) flied on 13 August 2001 is/are: all accepted or b) objected to by the Examiner. 10) The proposed drawings are required in reply to this Office action. 11) The proposed drawings are required in reply to this Office action. 12) The eath or declaration is objected to by the Examiner. Pr							
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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group V in Paper No. 12 is acknowledged.

Specification

2. The disclosure is objected to because of the following informalities: "16" should be --14-- on line 6 of the amendment to the paragraph beginning at line 22 of page 21 filed on 13 August 2001.

Appropriate correction is required.

Drawings

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: '40'. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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5. Claims 29-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Keim (US 4,430,914) in view of Nordlof (US 5,761,978).

Keim discloses the invention substantially as claimed except for a knock lever mechanism having a knock lever arm and a kinematic linkage having a center pivot. Instead, Keim employs a pneumatic cylinder controlled by a controller. However, Nordlof discloses a knock lever mechanism having a lever arm (71) and a kinematic linkage (85) having a center pivot (86) wherein the lever arm is carried at one end of the kinematic linkage (via 83 and 84) and a drive wheel (23 on 25) is carried at an opposite end of the kinematic linkage (via 87 and 85a). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a knock lever mechanism as taught by Nordlof on the device of Keim as an alternative structure for providing the stepwise advancing of the workpiece.

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kenworthy et al., Perlman, Gotz, and Bareis et al. are cited to show related devices.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Choi whose telephone number is 703-306-4523. The examiner can normally be reached on Monday thru Friday between 9am and 5pm. If attempts to reach the examiner are unsuccessful, the examiner's supervisor, Allan Shoap can be reached on 703-308-1082.

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In lieu of mailing, it is encouraged that all formal responses be faxed to 703-872-9302. Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist whose telephone number is 703-308-1148.

SC

March 23, 2003

Patent Examiner